

HRV100H

**BROAN**  
FRESH AIR SYSTEMS

## The Energy Efficient Fresh Air Solution



### Product

- 71 to 163 cfm (0.3 in. w.g.)
- 64 to 146 cfm (0.4 in. w.g.)
- Whole-house balanced ventilation, minimize infiltration and exfiltration
- Offers solid ventilation performance
- Best airflow range in its category
- Superior heat recovery
- Durable, reliable, high performance



### Ideal For

- Houses from 3,001 to 4,500 sq. ft.
- Contractors who want added value, quality, and best performance



### Features

- Best airflow and heat recovery in its class
- Smart Defrost system
- Easy to service



### Benefits

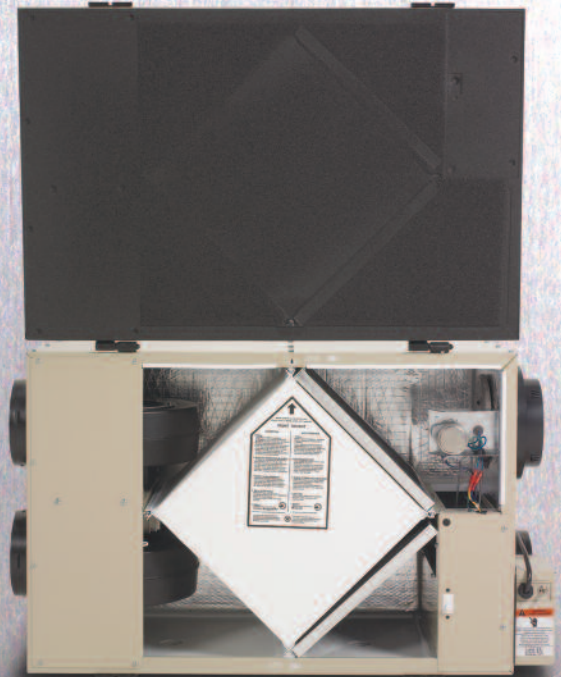
- Continuous background ventilation with energy savings – the outgoing airstream tempers the air of the incoming airstream.
- Failure protection system to prevent cold air from entering the house.
- Easy to service – all parts removable in 5 minutes, electrical access on side panel.





## HRV100H Specifications

Voltage:	120 V AC
Frequency:	60Hz
Dimensions:	21.1 x 34.6 x 13.25
Weight:	65 lbs
Shipping Weight:	75 lbs
Warranty:	2 years, parts
HVI Rated of air flow:	169 CFM
Power Consumed (max):	150 Watts
Supply air duct connections:	6" Diameter
Exhaust air duct connections:	6" Diameter
Filter:	30 ppi washable reticulated foam
Cabinet:	20 ga. Pre-painted steel
Mounting:	Suspension by chains and springs
Wall control modes:	N/A
Power:	147 Watts
Current:	1.4 Amps



## Energy Performance

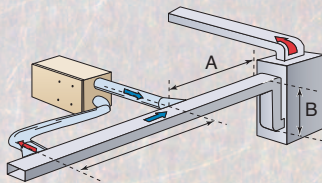
	Supply Temperature		Net Airflow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Latent Recovery Moisture Transfer
	C	F	L/s	cfm	Watts	%	%	
Heating	0	32	30	64	54	75	83	-0.03
	0	32	46	97	78	67	74	0.01
	0	32	65	138	124	64	72	-0.02
	-25	-13	26	55	62	67	89	0.05
						Total Recovery Efficiency		
Cooling	35	95				Not Tested		

### Ventilation Performance

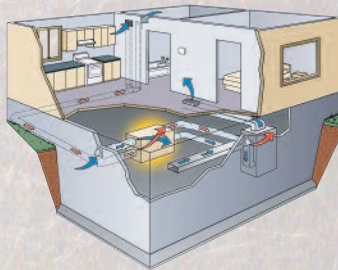
External Static Pressure		Net Supply Airflow		Gross Airflow			
Pa	In. W.g.	L/s	cfm	Supply		Exhaust	
		L/s	cfm	L/s	cfm	L/s	cfm
25	0.1	84	177	88	186	90	190
50	0.2	80	169	84	178	86	182
75	0.3	77	163	81	171	81	171
100	0.4	69	146	72	153	76	161
125	0.5	61	130	65	137	66	139
150	0.6	46	98	49	103	52	110
175	0.7	38	81	40	85	31	67



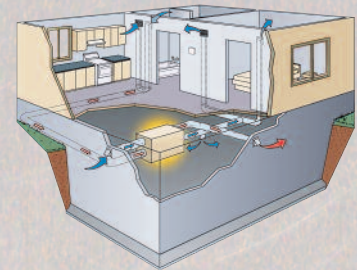
## Installation Options



Return-Return Connection



Return Connection — Extended Exhaust



Fully Ducted System



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